Math for Liberal Arts I
MGF 1106 – 2021 / 2017

Instructor: Lauren Rex  
Office hours: Monday/Wednesday  
Course ID: rex81638

Credit Hours: 3

Prerequisites or Co-Requisites: MAT1033

Course Description
Presents topics that illustrate both the aesthetic and practical applications of mathematics. Intended for students who require only general education mathematics courses. Major course topics include: systematic counting, probability, statistics, history of mathematics, geometry, sets, logic.

Gordon Rule Course: Theoretical Math and General Studies Course: MAT/MAT

Student Learning Outcomes
This course is designated as a General Studies course. The General Studies curriculum at the University of West Florida is designed to provide a cohesive program of study that promotes the development of a broadly educated person and provides the knowledge and skills needed to succeed in university studies. This course has been approved as meeting the requirement in the Mathematics area.

The General Studies learning outcomes for this course are Problem Solving and Quantitative Reasoning.

Upon successful completion of the course, students will be able to

- identify sets and their properties and construct Venn diagrams to represent given information
- demonstrate logic concepts and apply the rules of logic to solve problems
- identify and apply geometric principles and formulas to solve problems
- demonstrate counting techniques
- apply methods for computing probabilities
- identify and calculate basic statistical measures and analyze distribution graphs
- research specific topics from the history of mathematics and complete projects as assigned

Topics Covered
Set theory and logic, counting and probability, statistics, geometry, and a history of mathematics.

Required Resources
The course textbook (in printed form OR through online access) and MyMathLab (MML) can be obtained by purchasing one of the following

The printed course textbook,  

OR

The MyMathLab standalone student access kit, which includes the online Thinking Mathematically eBook.  

Getting Help
- Math Tutoring Lab  Bldg 4, room 321  M – R 9am – 5pm, F 9am – 1pm
- CAS Computer Lab  Bldg 4, room 221  Check the schedule posted on the door
- The Learning Center  Bldg 52, room 151  M – R 8am – 9pm, F 8am – 5pm
- Pearson Tutor Center  800-435-4084  S – R 4pm – 11pm. Have course ID available
Grading/Evaluation
The course score will be computed as follows:

- MyMathLab Homework ............................................. 10%
- Projects / Quizzes .................................................... 20%
- Exams .................................................................... 40%
- Comprehensive Final .............................................. 30% (mandatory)

The course grade will be assigned according to the following scale:

<table>
<thead>
<tr>
<th>Score</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>93 and above</td>
<td>A</td>
</tr>
<tr>
<td>87 – 89</td>
<td>B+</td>
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<tr>
<td>77 – 79</td>
<td>C+</td>
</tr>
<tr>
<td>67 – 69</td>
<td>D+</td>
</tr>
<tr>
<td>59 and below</td>
<td>F</td>
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</tbody>
</table>

Note: No make-up exams will be given. Students are expected to adhere to the exam schedule in this syllabus and must adjust their personal matters accordingly. In extreme situations, with verification of a necessary absence, the instructor will record the student’s final exam grade in place of the missed test score; otherwise, the zero score will remain. This arrangement is only available once per student per class.

MyMathLab
MyMathLab is the publisher’s online material to support this course. MyMathLab contains the complete online version of the textbook with links to multimedia resources, such as video clips, PowerPoint slides, and practice exercises correlated with the examples and exercises in the text. MyMathLab also generates a personalized study plan based on your results which links you to unlimited tutorial exercises for further study. This allows you to practice until you have mastered the skills. All the online homework and tutorial work is tracked in your MyMathLab gradebook.

You need the following materials to register for your online course:
1. Your valid UWF email address
2. The course ID for this course: *rex81638*
3. Your student access code. (purchased alone, or with the physical textbook)

Go to [www.coursecompass.com](http://www.coursecompass.com) and select “Register” in the student section. Follow the directions to enroll.

Note: In any of the following situations, you do not need to purchase another access code
- You are switching to a different section of the same course.
- You are re-taking the same course.
- You are enrolling in the next semester of a course that is taught over multiple semesters.

Visit [http://www.mymathlab.com/buying.htm](http://www.mymathlab.com/buying.htm) and expand the selection “Enrolling in Another Course” to learn more.

Important Numbers
- **Pearson Technical Support** – have course ID available. 800-677-6337
  http://247pearsoned.custhelp.com
- **UWF Helpdesk** – have course and section number available 850-474-2075

Homework
All homework will be completed online through the CourseCompass website using MyMathLab and is due at midnight before the exam covering that material.

<table>
<thead>
<tr>
<th>Topic</th>
<th>Exam</th>
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</thead>
<tbody>
<tr>
<td>Set Theory and Logic (Ch 2 &amp; 3)</td>
<td>Exam 1</td>
</tr>
<tr>
<td>Probability and Statistics (Ch 11 &amp; 12)</td>
<td>Exam 2</td>
</tr>
<tr>
<td>Measurement and Geometry (Ch 9 &amp; 10)</td>
<td>Exam 3</td>
</tr>
<tr>
<td>Problem Solving (Ch 1)</td>
<td>Final Exam</td>
</tr>
</tbody>
</table>
Assistance for Students with Disabilities
The Student Disability Resource Center (SDRC) at the University of West Florida supports an inclusive learning environment for all students. If there are aspects of the instruction or design of this course that hinder your full participation, such as time-limited exams, inaccessible web content, or the use of non-captioned videos and podcasts, please notify the instructor or the SDRC as soon as possible. You may contact the SDRC office by e-mail at sdrc@uwf.edu or by phone at (850) 474-2387. Appropriate academic accommodations will be determined based on the documented needs of the individual.

Expectations for Academic Conduct/Plagiarism Policy:
As members of the University of West Florida, we commit ourselves to honesty. As we strive for excellence in performance, integrity—personal and institutional—is our most precious asset. Honesty in our academic work is vital, and we will not knowingly act in ways which erode that integrity. Accordingly, we pledge not to cheat, nor to tolerate cheating, nor to plagiarize the work of others. We pledge to share community resources in ways that are responsible and that comply with established policies of fairness. Cooperation and competition are means to high achievement and are encouraged. Indeed, cooperation is expected unless our directive is to individual performance. We will compete constructively and professionally for the purpose of stimulating high performance standards. Finally, we accept adherence to this set of expectations for academic conduct as a condition of membership in the UWF academic community.

Withdrawal
Students must initiate withdrawals by
3/16 withdrawal from individual or all courses and automatic grade of W.
4/27 late withdrawal, W or WF at instructor’s discretion.
Students who are requesting a late withdrawal from class must have the approval of their advisor, instructor and Requests for late withdrawals may be approved only for the following reasons (which must be documented):
1. A death in the immediate family.
2. Serious illness of the student or an immediate family member.
3. A situation deemed similar to categories 1 and 2 by all in the approval process.
4. Withdrawal due to Military Service (Florida Statute 1004.07)
5. National Guard Troops Ordered into Active Service (Florida Statute 250.482)
Requests without documentation should not be accepted.
A request for a late withdrawal simply for not succeeding in a course does not meet the criteria for approval and should not be approved.

Planned Schedule for Spring 2012 – any changes will be announced in class.

<table>
<thead>
<tr>
<th>Week</th>
<th>Sections</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wk 1</td>
<td>1/7</td>
<td>2.1, 2</td>
</tr>
<tr>
<td>Wk 2</td>
<td>1/14</td>
<td>2.3, 4, 5</td>
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<tr>
<td>Wk 3</td>
<td>1/21</td>
<td>3.1, 2, 3</td>
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<tr>
<td>Wk 4</td>
<td>1/28</td>
<td>3.4, 5, 6, 7</td>
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<tr>
<td>Wk 5</td>
<td>2/4</td>
<td>Exam 1 Project</td>
</tr>
<tr>
<td>Wk 6</td>
<td>2/11</td>
<td>11.1, 2, 3</td>
</tr>
<tr>
<td>Wk 7</td>
<td>2/18</td>
<td>11.4, 5, 6, 7</td>
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<tr>
<td>Wk 8</td>
<td>2/25</td>
<td>12.1, 2, 3, 4</td>
</tr>
<tr>
<td>Wk 9</td>
<td>3/4</td>
<td>Exam 2 Project</td>
</tr>
<tr>
<td>Wk 10</td>
<td>3/11</td>
<td>Spring Vacation</td>
</tr>
<tr>
<td>Wk 11</td>
<td>3/18</td>
<td>9.1, 2, 3</td>
</tr>
<tr>
<td>Wk 12</td>
<td>3/25</td>
<td>10.1, 2</td>
</tr>
<tr>
<td>Wk 13</td>
<td>4/1</td>
<td>10.3, 4, 5</td>
</tr>
<tr>
<td>Wk 14</td>
<td>4/8</td>
<td>Exam 3 Project</td>
</tr>
<tr>
<td>Wk 15</td>
<td>4/15</td>
<td>1.1, 2, 3</td>
</tr>
<tr>
<td>Wk 16</td>
<td>4/20</td>
<td>Final Exam Review</td>
</tr>
<tr>
<td></td>
<td>4/29</td>
<td>Final Exam 6pm – 8:30pm</td>
</tr>
</tbody>
</table>
About this Course
This course is taught to both online and face-to-face students. The course requirements for both sections are the same, except the method of attending class. Face-to-face students (section 2017) must attend class in building 4, room 248, while the online students (section 2021) will attend via Elluminate, UWF’s online conferencing program.

All students must
- attend and participate in class meetings (face-to-face or online, according to section)
- complete quizzes and projects as assigned
- finish homework in MML
- complete three proctored exams and a final exam.

To do this, all students must have consistent and reliable access to the Internet.

Face to Face Students (section 2017)
You can expect this course to be only slightly different than a traditional course.

Distance Students (section 2021)
Learning at a distance may be a very different learning environment for many of you – particularly in learning mathematics at a distance. All students in this section should be education majors, so I expect you to be familiar with the necessary skills and attitudes of progressive students.

Exams will be completed in a proctored environment. It is your responsibility to find, schedule and submit the proctor form. If convenient, you may come to the Pensacola campus and take the exam with the face-to-face students in building 4, room 248. Proctored exams must be completed within 24 hours of the scheduled exam. More information is available at http://uwf.edu/atic/Guide/Developing/DesignStandards/assessment/Proctor.cfm.

If you have problems, contact the instructor immediately.

Attendance and Class Participation
All students are responsible for the material and information given in class. Arrive promptly and stay until dismissed. Read ahead before class, then review notes and do the homework as soon as possible after class. There is not enough class time for in depth coverage of every scheduled topic. Therefore, out-of-class work is critical. Questions are encouraged.

Attendance will be taken several times each evening. Class participation is expected and will be instrumental for a successful outcome.